

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Masami Murai

Appl. No. *To Be Assigned*

Filed: Herewith

For: **Method for Manufacturing  
Ferroelectric Thin Film Device,  
Ink Jet Recording Head, and Ink  
Jet Printer**

Art Unit: *To Be Assigned*

Examiner: *To Be Assigned*

Atty. Docket: 1089.0310001/DKSC/ALF

***PRELIMINARY AMENDMENT***

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please enter the following amendment prior to examination of the above-referenced application. This Amendment is provided in the following format:

- (A) A clean version of each replacement paragraph/section/claim along with clear instructions for entry;
- (B) Starting on a separate page, appropriate remarks and arguments. 37 C.F.R. § 1.111 and MPEP 714; and
- (C) Starting on a separate page, a marked-up version entitled: "Version with markings to show changes made."

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and

any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

### ***AMENDMENTS***

#### ***In the Specification:***

At page 1, after the title of the invention and prior to the first line of text, please insert the following:

#### ***Cross-reference to Related Application***

This application is a divisional of U.S. Application No. 09/418,309, filed October 14, 1999.

#### ***In the Claims:***

Please cancel claims 1-27, 37-39, and 47-51 without prejudice to or disclaimer of the subject matter therein.

Please substitute the following claim 36 for the pending claim 36:

36. (once amended) An ink jet printer, wherein the ink jet recording head according to Claim 34 is provided as an ink discharge means.

Please substitute the following claim 45 for the pending claim 45:

45. (once amended) An ink jet recording head, wherein the electromechanical transducer according to Claim 40 or 44 is provided as an actuator over the diaphragm film which is said surface where the transducer is installed.

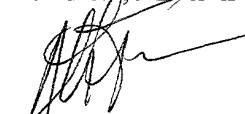
***Remarks***

The specification has been amended to cross-reference parent U.S. Application No. 09/418,309 filed October 14, 1999. Upon entry of the foregoing amendment, claims 28-36 and 40-46 are pending in the application, with claims 28, 40, and 41 being the independent claims. Claims 1-27, 37-39, and 47-51 are cancelled without prejudice to or disclaimer of the subject matter therein. These changes are not believed to introduce new matter, and their entry is respectfully requested.

If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Albert L. Ferro  
Attorney for Applicant  
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Date: December 7, 2001

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**Version with markings to show changes made**

Marked-up version of claim 36:

36. (once amended) An ink jet printer, wherein the ink jet recording head according to [either] Claim 34 [or 35] is provided as an ink discharge means.

Marked-up version of claim 45:

45. (once amended) An ink jet recording head, wherein the electromechanical transducer according to [any of] Claim[s] 40 [to] or [44] 41 is provided as an actuator over the diaphragm film which is said surface where the transducer is installed.